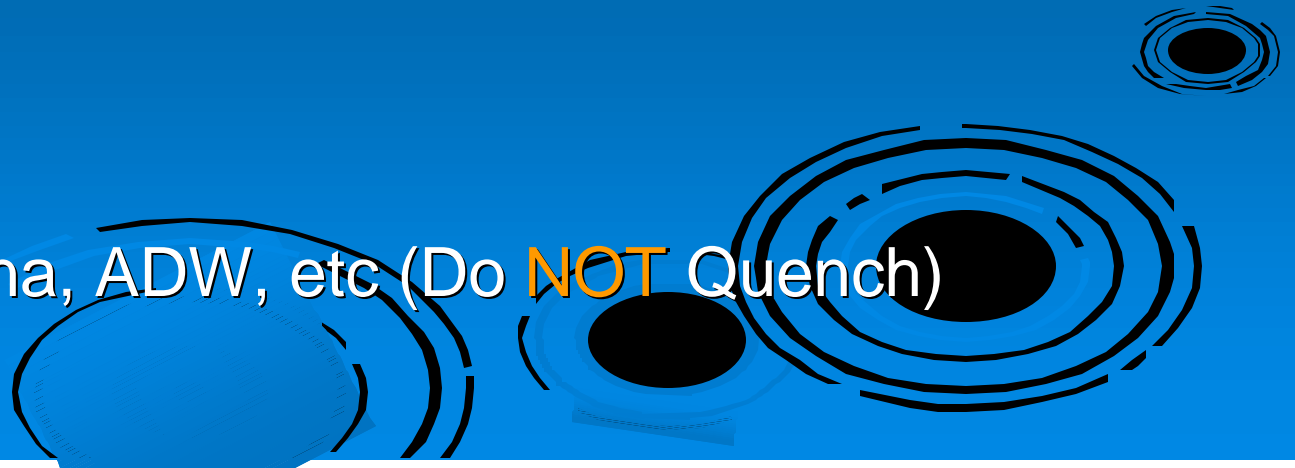# Emergency Power Down Procedures for the 3 Tesla Scanners
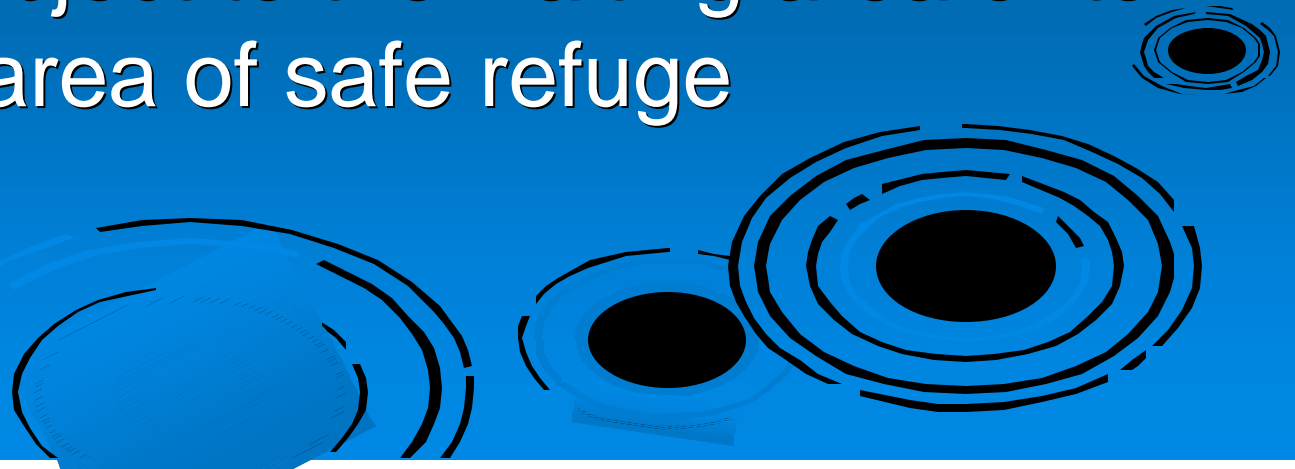
3 Tesla Core Facility

What to Do?

➢ In case of power interruptions, water etc.,
- Make sure the subject is safe
- Make sure researchers are safe

➢ Notify appropriate personnel
- NIH
- Maintenance
- Housekeeping
- GE
- 3T Core / FIM

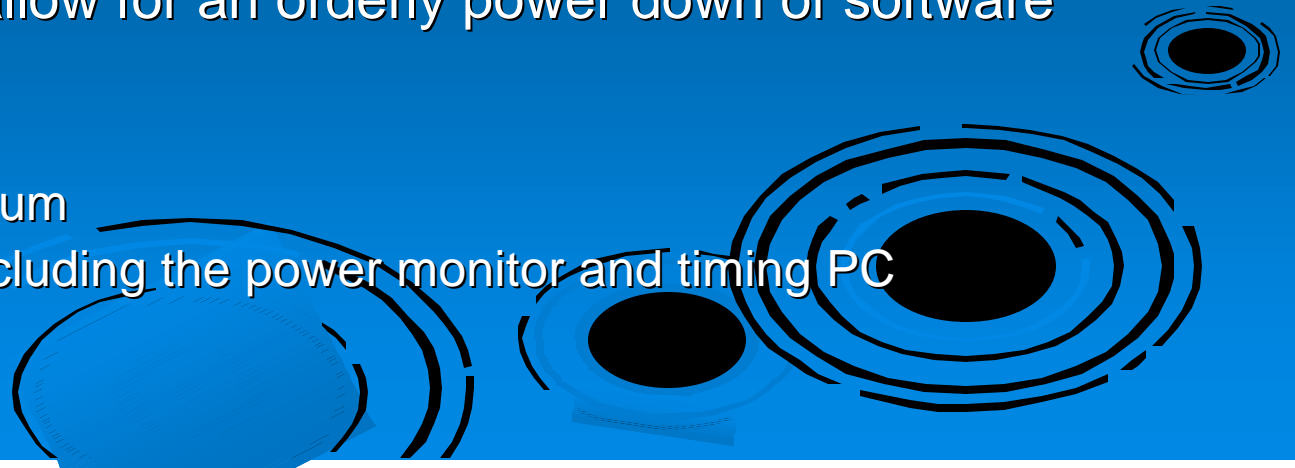➢ Power down Signa, ADW, etc (Do NOT Quench)

Safe Removal of Subjects

- Remove subject from scan room prior to Signa shutdown (if possible)

- Escort the subject to the waiting area or to an alternate area of safe refuge
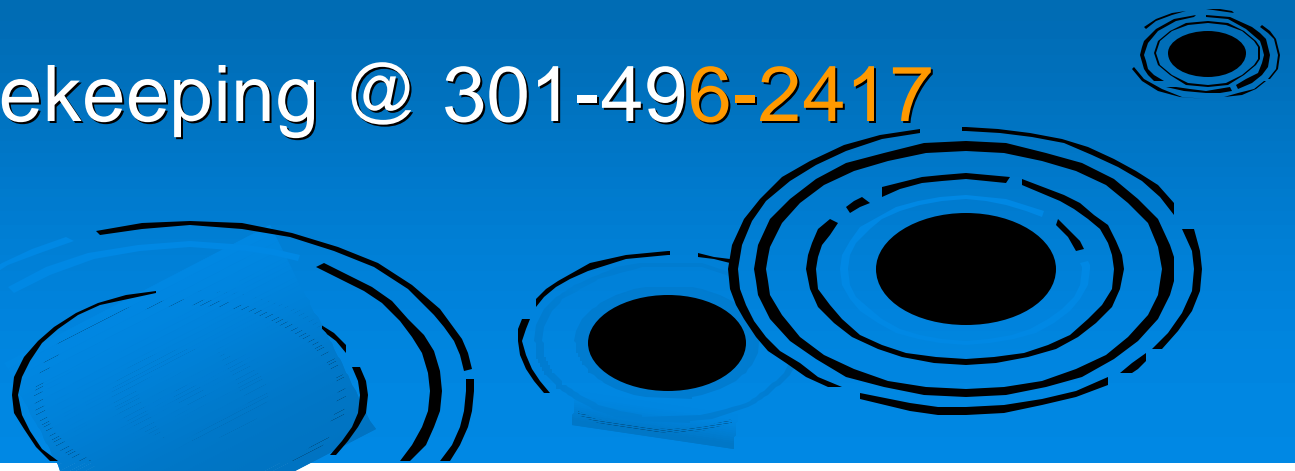
Major Power Interruptions

➢ While the NIH itself is on a backup generator, it is not unknown to have long lasting power failures (2+ hours). This presentation will address power down procedures for the software, which is NOT the same as a magnet quench

- NIH may need to divert power for critical patients and facility operations

- PEPCO may need to divert power to other critical sites

➢ The UPS systems on Signa and peripheral computers last about 20 minutes, enough to allow for an orderly power down of software
- Signa console
- AW/ADW
- Potassium / Aluminum
- Peripheral PC's, including the power monitor and timing PC
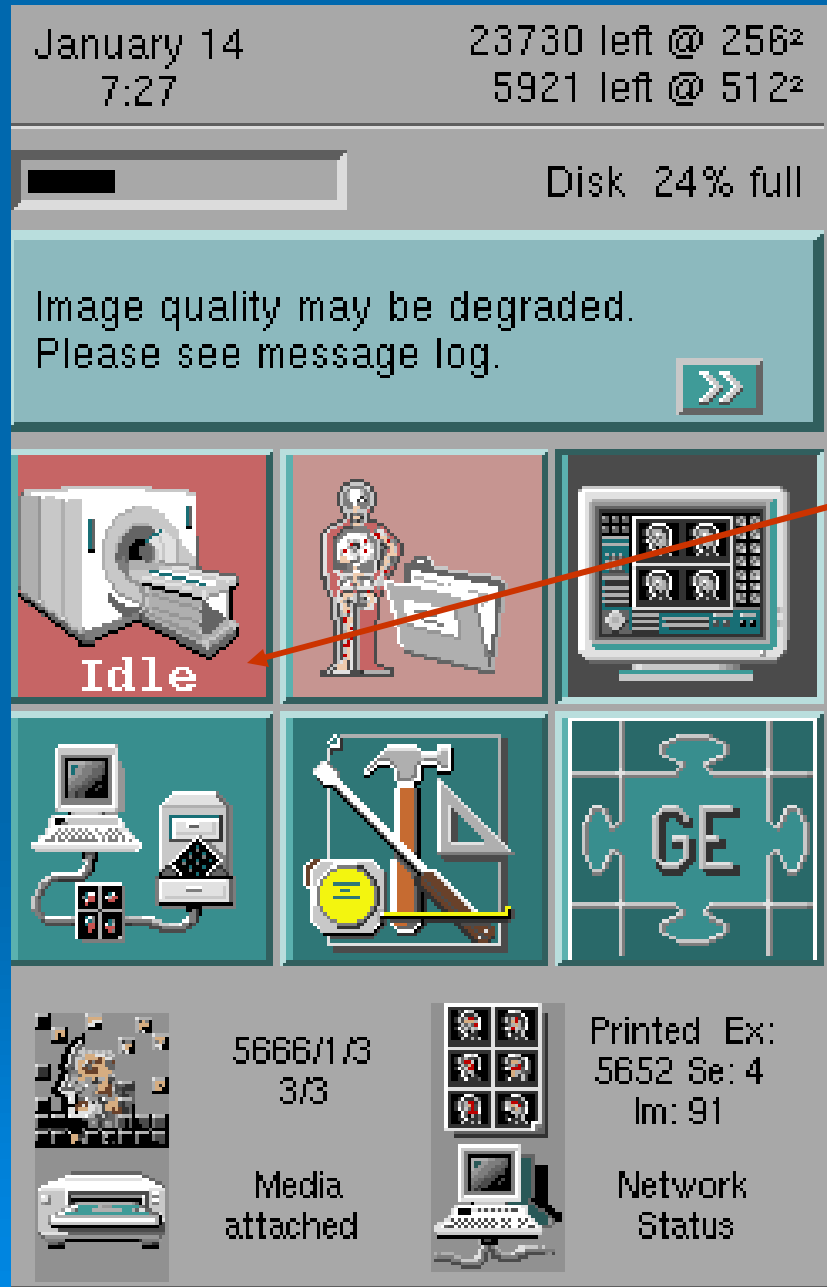
Water from the Ceiling, Floors etc

➢ If you notice water in an unusual area e.g., from the ceiling, on the floors, etc….

- Notify CC Maintenance immediately @ 301-496-5862
  - Be prepared to give the building number, room number, your name and a call back number

- Call CC housekeeping @ 301-496-2417

3 Tesla Core Facility / FIM

Name	Office	Home	Cell	Pager
Peter Bandettini	402-1333			
Sean Marrett	402-1378		301-905-8059	
Jerzy Bodurka	402-1343		301-728-0606	
Wen-Ming Luh	496-2623		301-728-0693	
Rasmus Birn	402-1350	301-519-9670	301-461-2975	
Adam Thomas	402-6351	301-915-0212	240-505-4872	
Karen Bove Bettis	435-4852	703-242-2261		104-6475
Paula Rowser	451-3877			

Others

Name	Office	Home	Cell	Pager
Brad Burge (GE)	594-4524			104-6511
Warren Embrey (GE)	594-4524			104-6527
CC Maintenance	496-5862			
CC Housekeeping	496-2417			

Signa Shutdown End Exam

➢ Click on the Scanner Operations Icon (Idle)

- Click End Exam

Signa Shutdown

Service Desktop Manager

Cal/Checks	Utilities
TroubleShoot	Diagnostics
ImageSnap...	Install...

LV Shim
Oxford Shim
Shim Editor
Daily Quality
System Gain Calibration
LV Shim Calib
Grafidy
RF Calc
Attenuation Test
Image Quality
Probe/S Tune

Start...

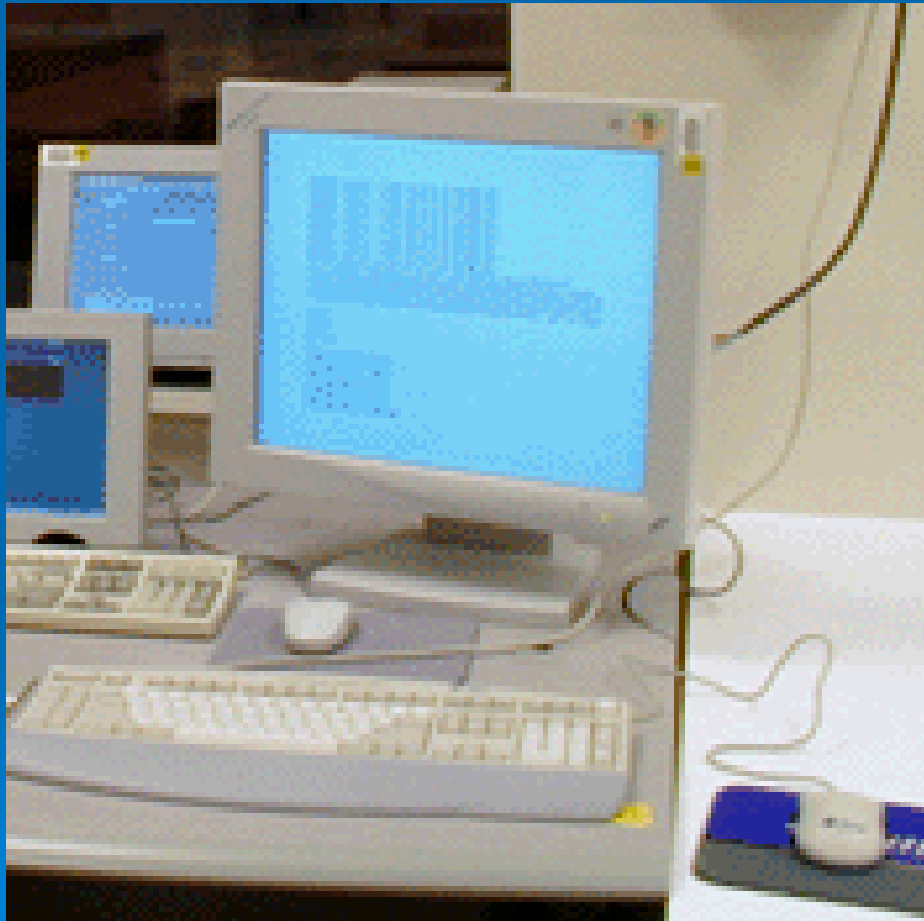|	
TPS Reset	System Shutdown
C Shell...	Monitor Settings...

C shell.

➢ **Click on the Tools Icon**
- **Click on System Shutdown**
  - System Shutdown
    - Yes or No?
    - Yes

Power Down the Sun ADW (3T1)

3T 1 Console

➢ Connected to the Signa IDBM Database

➢ Resides to the right of the scan console

➢ If there is time…save your data 1st and move to SDC Data (Potassium/Aluminum)

SUN ADW Screen (3T1)

* rmb = right mouse button

Cmdtool -/bin/csh

fim3t-adw [102]%

Using the *rmb* click on:
Service Tools

Applications

RealTime Control
Neuro Apps
IDBM Apps
Terminals
Tools
Window Manager
Service Tools

console/bin/csh/bin/csh

SUN ADW (3T1)

Cmdtool -/bin/csh

fim3t-adw [102]%

Using the *rmb* click on Logout

Applications

RealTime Control
Neuro Apps
IDBM Apps
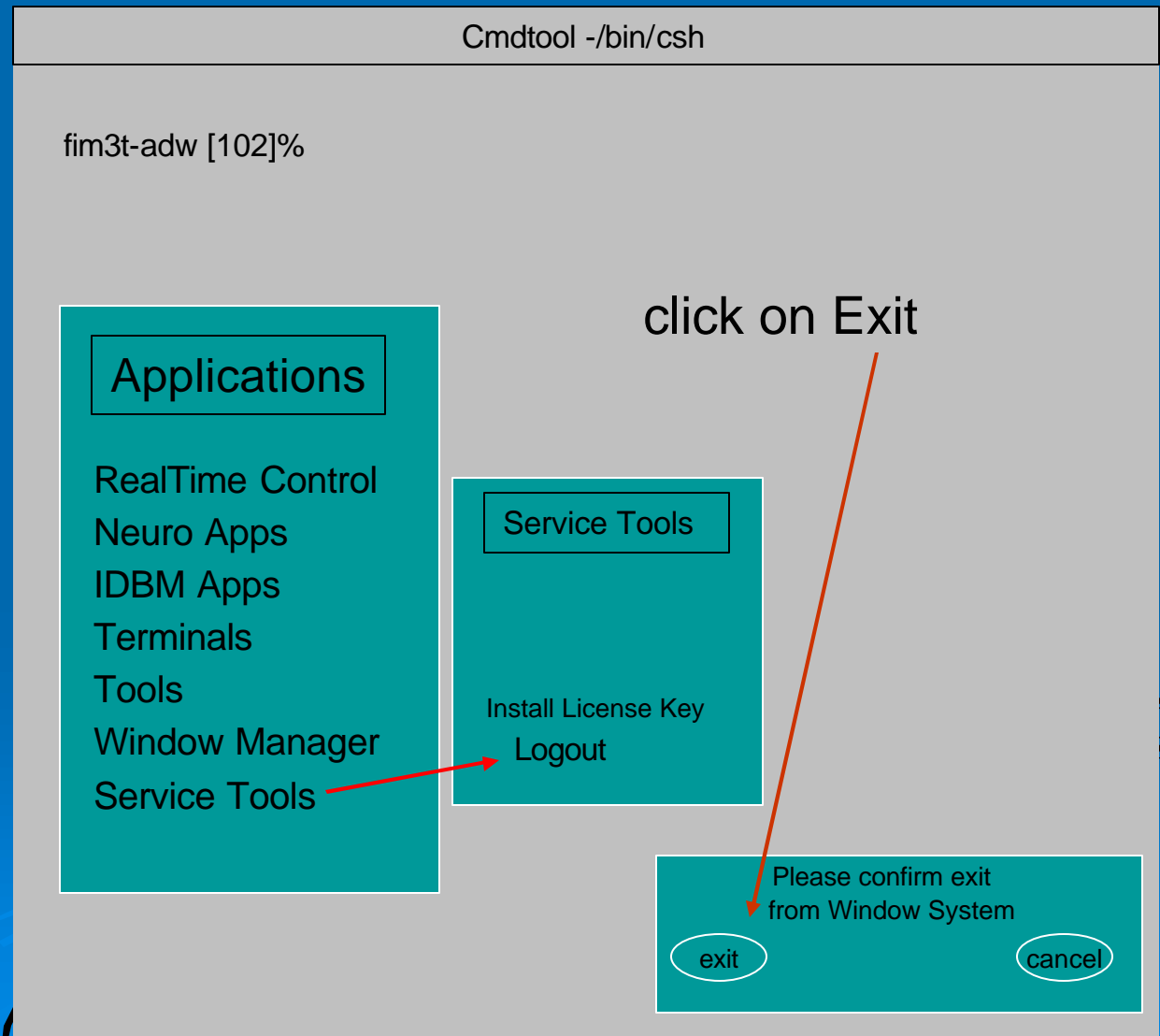Terminals
Tools
Window Manager
Service Tools →

Service Tools

Install License Key

Logout

console/bin/csh/bin/csh

SUN ADW (3T1)

Cmdtool -/bin/csh

fim3t-adw [102]%

Applications

RealTime Control
Neuro Apps
IDBM Apps
Terminals
Tools
Window Manager
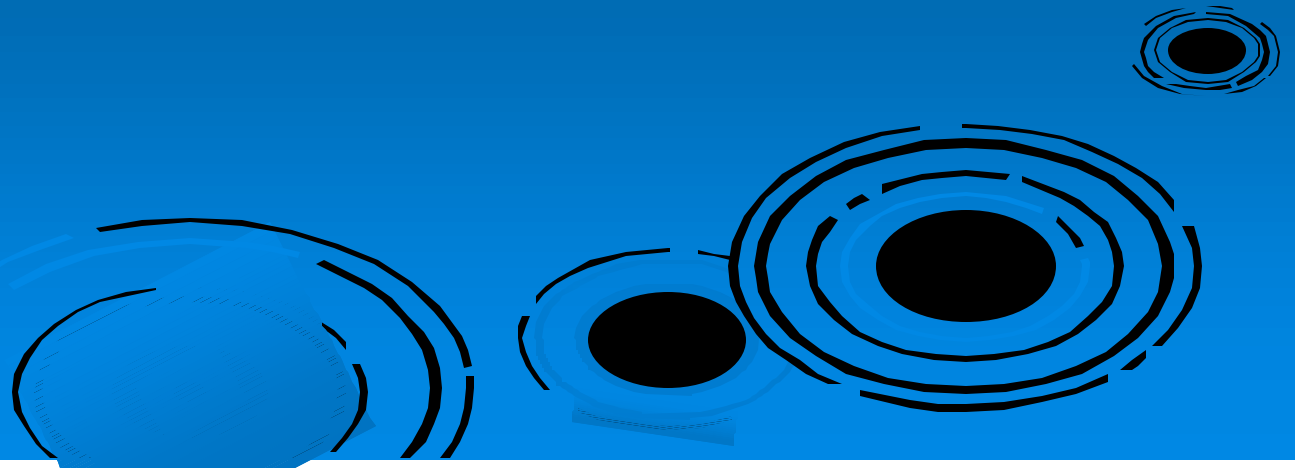Service Tools

Service Tools

Install License Key
Logout

click on Exit

Please confirm exit
from Window System

exit   cancel

console/bin/csh/bin/csh

Sun ADW (3T2)

➢ At the Sun/Advantage workstation in 3T2

➢ Click on the Security Icon
- Click Shutdown
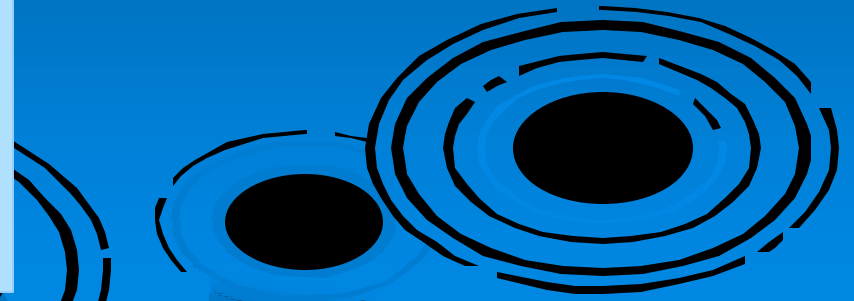 - Are you sure? [yes]
    - Yes

Potassium/Aluminum Screen

(sdc-adw or sdc-nfs)

Sdc-adw@potassium.nimh.nih.gov:/home/sdc-adw-konsole

Sdc-adw@potassium.nimh.nih.gov:/home/sdc-adw-konsole

Using the *rmb* click on:
Logout

Peripheral Computers

The peripheral computers are PC and Mac based. In 3T1, they are wall-mounted and in 3T2, they are located on the workbenches. Follow normal shutdown procedure as you would for any PC or Mac.